Abstract

Atop Table Mountain, an upgraded Autonomous Visibility Monitor (AVM) has been gathering reliable attenuation data for the last year. Down the mountain at the Edwards airport, hourly surface weather observations have also been recorded throughout the year. The correlation performed between the two has furnished a tool to enable assigning attenuation values to weather observations, and to use these now-calibrated observations to correct for system outage times in the AVM. Furthermore, this opens the possibility of synthesizing attenuation probability data from surface weather observations made at airports around the United States.